

FIG. 1

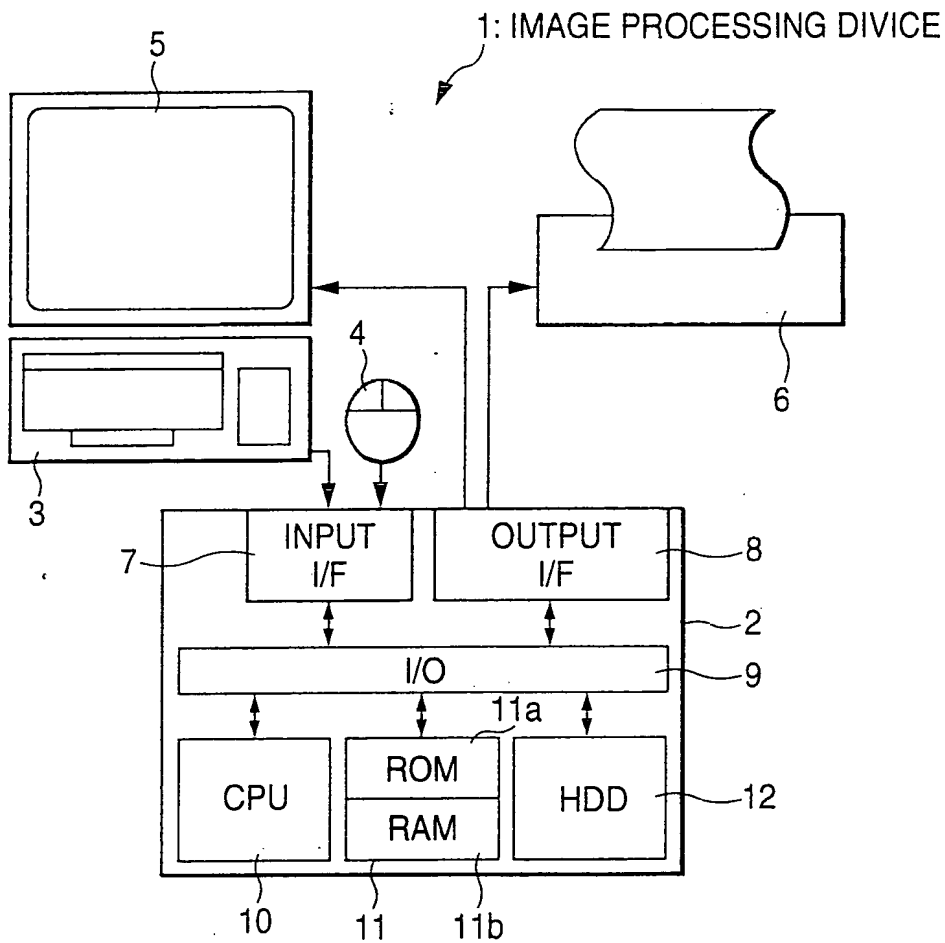


FIG. 2

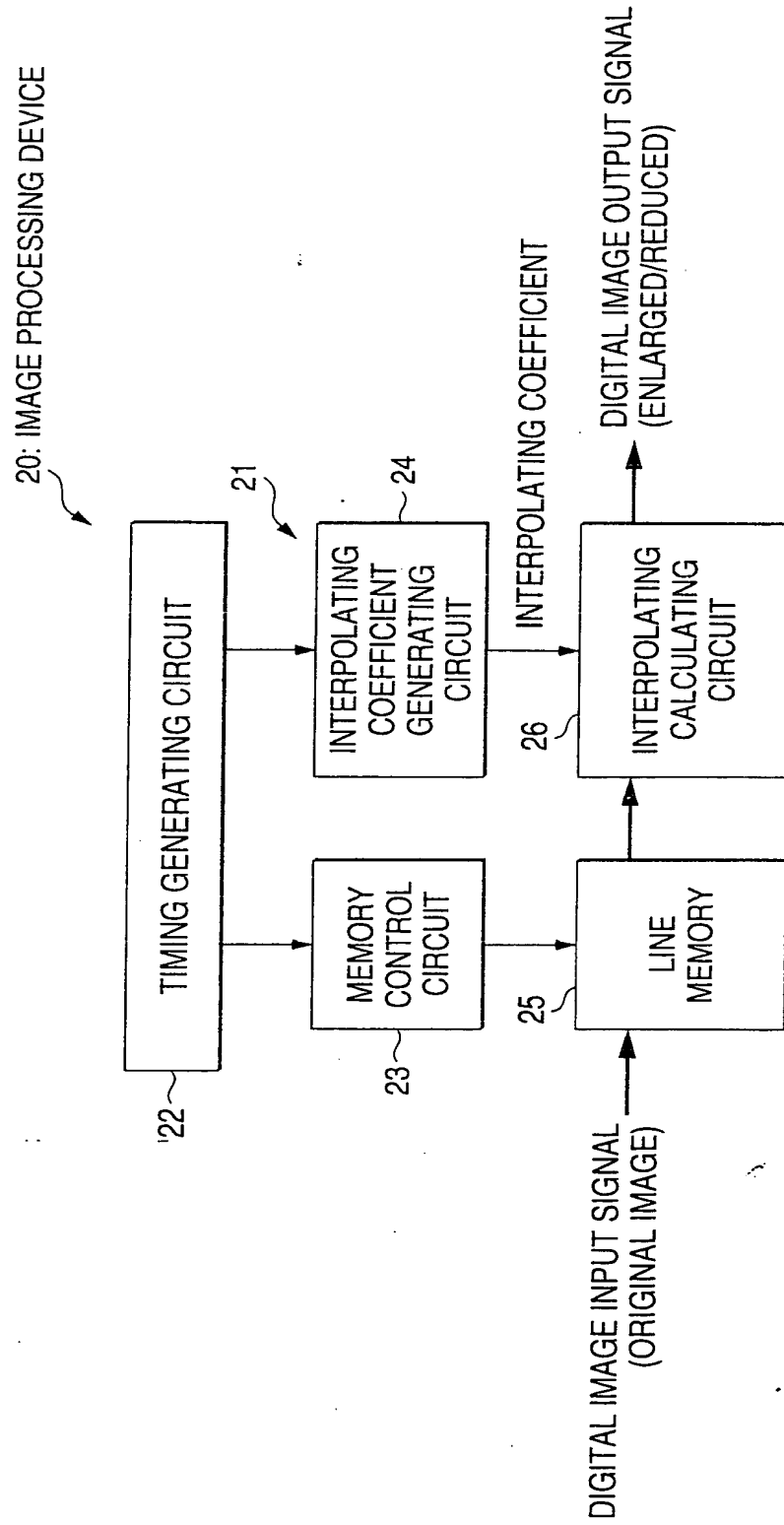
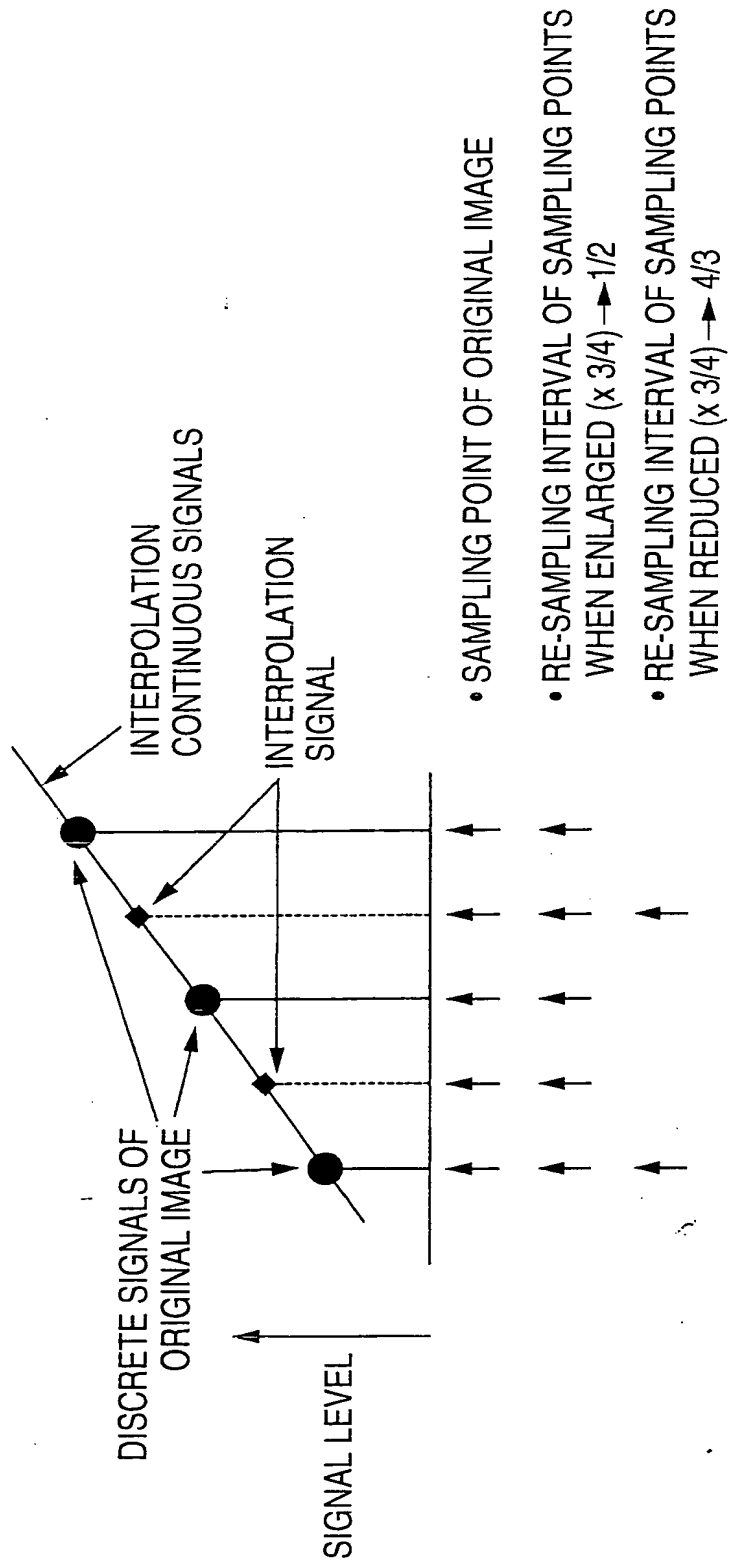


FIG. 3



INTERPOLATION SIGNALS



FIG. 5

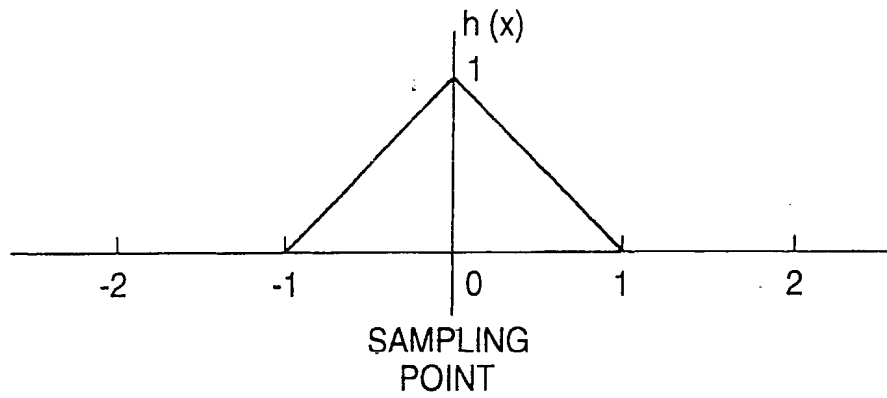
OUTPUT IMAGE WHEN ENLARGED (x 3/4 TIMES)



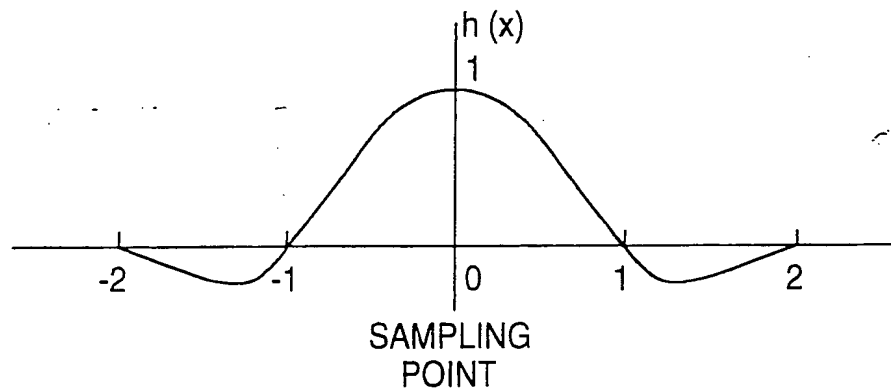
DISCRETE SIGNAL OF
ORIGINAL IMAGE

FIG. 6

INTERPOLATING FUNCTION BASED
ON BI-LINEAR METHOD

*FIG. 7*

INTERPOLATING FUNCTION BASED
ON CUBIC CONVOLUTION METHOD



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FIG. 8

INTERPOLATING FUNCTION (1)

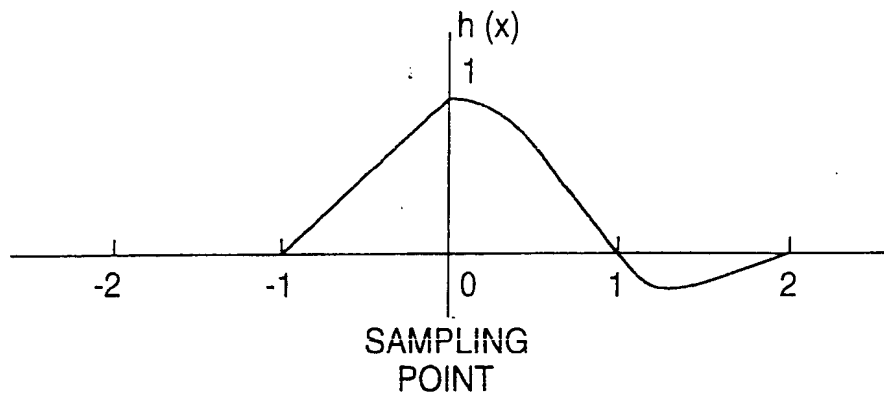


FIG. 9

INTERPOLATING FUNCTION (2)

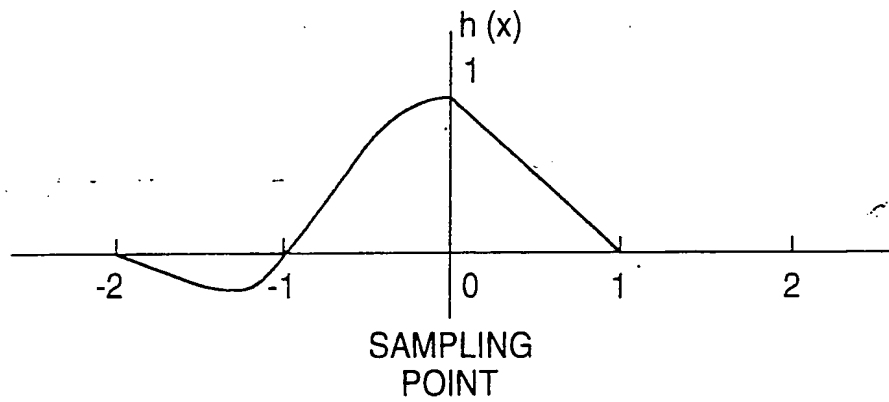


FIG. 10

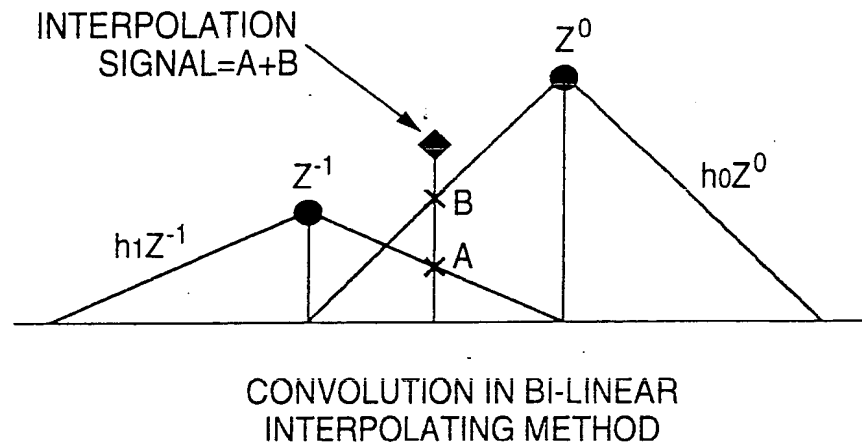
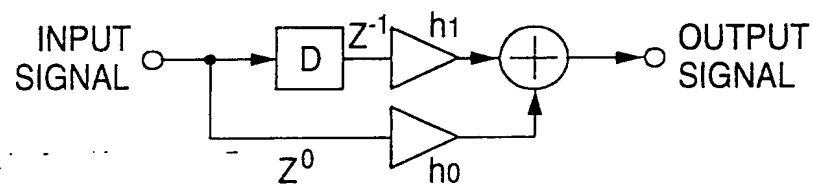


FIG. 11



FIR FILTER OF BI-LINEAR POLATING METHOD

FIG. 12

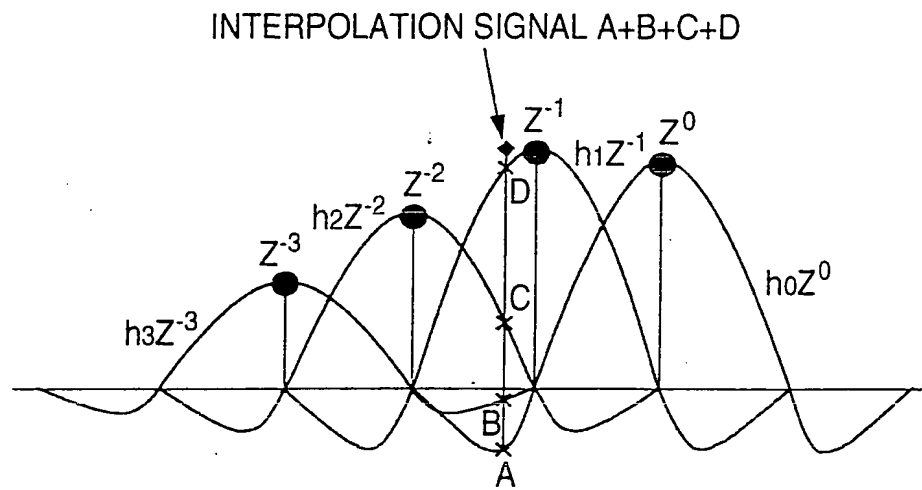
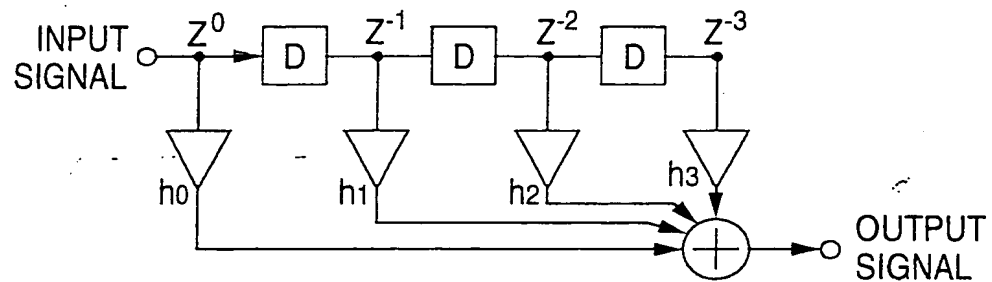


FIG. 13



FIR FILTER OF CUBIC CONVOLUTION
INTERPOLATING METHOD

FIG. 14

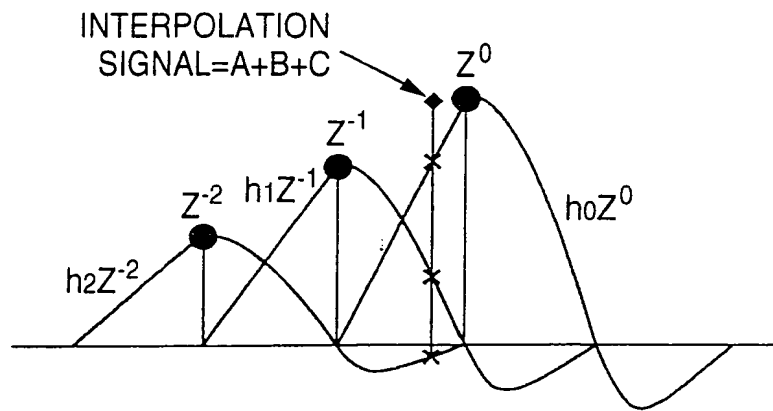


FIG. 15

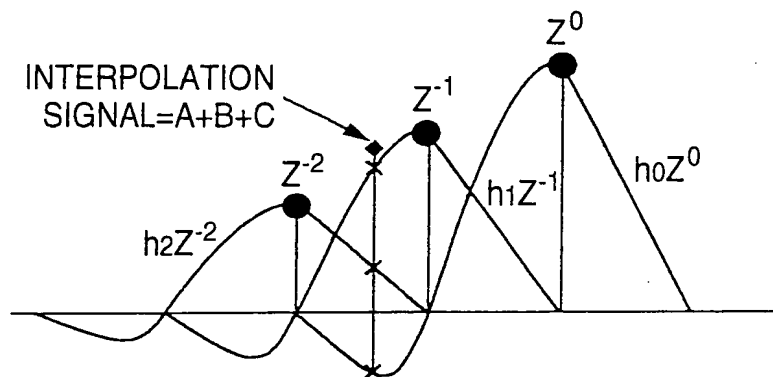


FIG. 16

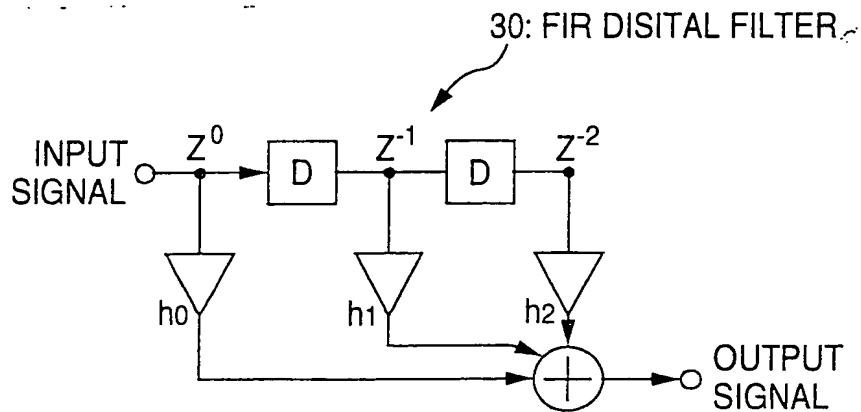


FIG. 17

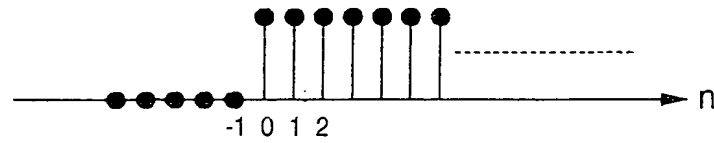


FIG. 18

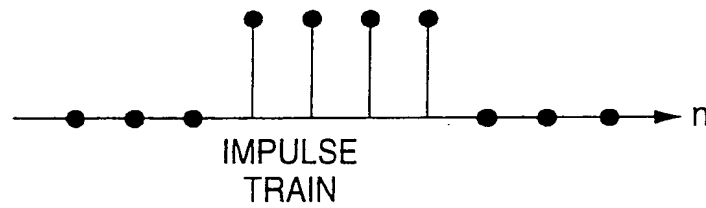


FIG. 19

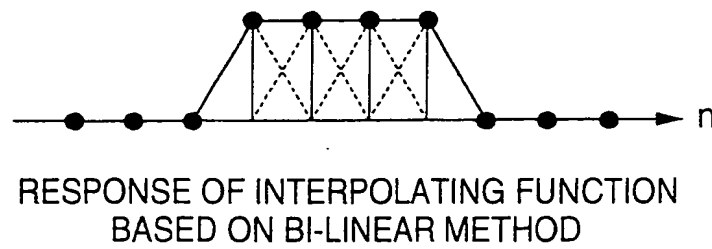
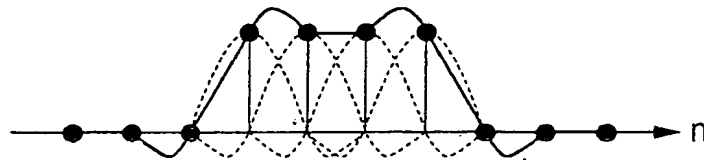
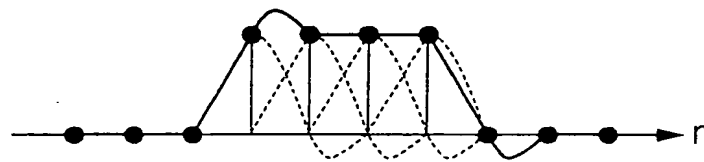


FIG. 20



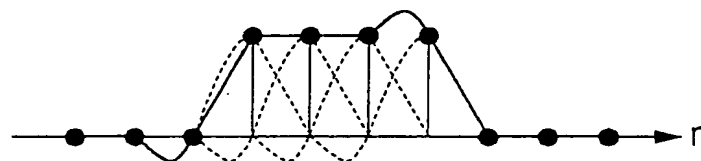
RESPONSE OF INTERPOLATING FUNCTION
BASED ON CUBIC CONVOLUTION METHOD

FIG. 21



RESPONSE OF INTERPOLATING FUNCTION (1)

FIG. 22



RESPONSE OF INTERPOLATING FUNCTION (2)